


W. ALLEN ASSOCIATES

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6300 Buss Correction Kit

 The *6300 Buss Correction Kit* is for all AT&T 6300PC users wishing to upgrade to an EGA, VGA or Hercules InColor Card. Previously, those 6300 users who have tried to upgrade to higher resolution graphics have found that certain software programs would not work. The programs that would not work use I/O word writes to control the video card. Software programs that will not run without our *6300 Buss Correction Kit* include, but are not limited to: MS Windows, MS Word in graphics mode, AutoCadd, Generic Cadd, MS Chart, Harvard Graphics, PC Paintbrush, Rix EGA Paint Demo, Z-Soft PC Paintbrush, Lotus Freelance Plus, MS Excel and Prodigy. The *6300 Buss Correction Kit* reverses the order of the bytes in a word so programs that use word writes will correctly control 3rd party video boards on AT&T's 6300PC, Xerox 60 & 64 PCs and Olivetti's M24 PC.

Installation of the *6300 Buss Correction Kit* is quick and simple as no soldering is required. The *6300 Buss Correction Kit* plugs into 2 places on the bus board - a 16 bit expansion connector and in place of an IC (labeled either **POB1** or PA96, depending upon the age of the machine). Although the kit uses a 16 bit connector, it is small and you can still fit up to a 3/4 length card in the same slot. Complete, diagrammed instructions are included in all kits. In addition, the buss speed on your machine can potentially be increased up to an average of 20% by moving a jumper on the buss correction kit so long as your add-on cards can handle the increased speed.

NOTE: To date, not all video card manufacturers have included software with their EGA/VGA cards which significantly improves video BIOS speed (up to 3 times) by moving the video BIOS to main memory. Additionally, certain video cards, primarily VGA, need to be re-initialized after the machine has completed booting for the video cards to work properly. We include complementary software programs with each kit to address these issues and insure success in upgrading your graphics.

There are two versions of the kit, both with a 60 day exchange or return policy and a 1 year material and workmanship warranty:

Part ABC01, with a disabler chip and a \$50.00 suggested retail price

Part ABC02, without a disabler and a \$45.00 suggested retail price

What you must do to upgrade your AT&T 6300PC to run EGA, VGA or Hercules InColor Card:

1. Have ROM BIOS 1.43 installed (available from W. Allen Associates for \$38)
2. Disable the resident video board (see notes)
3. Install an appropriate 3rd party video card which is compatible with the monitor to be used
4. Change motherboard dip switches (information in AT&T ROM BIOS 1.43 booklet)
5. Install the *6300 Buss Correction Kit*
6. Advise us of the IF# on your bus expansion board.

Notes on disabling the resident video board: Open up the top of the machine and look for a yellow tag on the resident video board. In the top center line of the tag is a GO#. The various GO versions and how they are disabled include:

1. GO317 - This is a P2A board. The board must be removed and replaced by an AT&T Bridge Adapter Board (AT&T Parts, Com Code #405067281)
2. GO318 - This is either a P2 or P4 board. You can disable these with our disabler chip. The chip will replace a socketed IC labeled **PL68**. Order kit **ABC01** to get a disabler chip included with the 6300 Buss Correction Kit.
3. GO380 - This is the P8 video board which has jumpers labeled W1, W2, W3 and a double jumper A. Disabling of this may be done by moving the jumper W1 from 2&3 to 1&2 or with our disabler chip.

Please Note: PC 6300's or equivalent with 640K memory on the mother board and an IF315 version of the buss board are the easiest to successfully upgrade to EGA or VGA graphics with virtually any card and monitor combination. However, should your machine have either 256K memory on the mother board with a 384K expansion board and/or a buss board IF version less than IF 315, additional upgrades/changes may be required, depending on your machine and the graphics/monitor set-up. Upgraded mother and buss boards are available through your local AT&T Service Center.

How to order: Please contact your local computer dealer. If product is unavailable from your local dealer, we accept mail or phone orders. Payment may be either check, money order, COD (with extra charge), MC or Visa. Price includes shipment via US Mail. COD and other shipment methods available for additional charge. California residents, please add your local sales tax.



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AT&T 6300 PC Video Card List

I. Video cards that work with appropriate monitor

Note: EGA cards require either an EGA monitor or multi frequency monitor. The only monitor that our customers have had problems with is the Magnavox EGA monitor.

Note: VGA cards require either a VGA monitor or multi frequency monitor.

1. Any bus board version

- a. ATI EGA Wonder 800 *
- b. Everex EGA (all)
- c. Genoa Super EGA +
- d. Intelligent Data Systems Top EGA480
- e. Maxlogic EGA
- f. Paradise EGA (all)
- g. Tecmar EGA
- h. Thompson EGA
- i. Wells American 600 EGA

2. Usually work with any version of bus board

- a. ATI VGA (all) *
- b. AT&T VDC600

3. For cleanest operation, may require IF314 or IF315 version Bus Board

- a. Able VGA Graphic
- b. AST VGA +
- c. Cardinal VGA (all) *
- d. Gemini Tech EGA
- e. IBM PS2 VGA
- f. Jade Computer VGA
- g. Leading Edge VGA
- h. Logix Microcomputer VGA 1000
- i. Magnovaox VGA
- j. NSI VGA (Logic, Smart)
- k. Quadram VGA
- l. Renaissance VGA
- m. Video 7 EGA (all)
- n. Video 7 VGA (all)
- o. Compu Add VGA (all) *
- p. Everex VGA
- q. Boca VGA
- r. Paradise VGA (Plus, Plus16, 1025, Professional, Basic) *

4. Require IF314 or IF315 bus board

- a. Genoa VGA *
- b. STB EGA (all)
- c. STB VGA (all)
- d. Taxan (all) *
- e. Hercules VGA and InColor

II. Video Cards found not to work with the 6300

- a. Boca EGA
- b. HP EGA
- c. NEC EGA
- d. Renaissance Legacy EGA
- e. Oak Technology VGA
- f. Any VGA board with Trident chip sets

*Enclosed software required for proper operation. (Usually VGA cards put in PC 6300s, Xerox 6060 series & Olivetti M24 with a math coprocessor installed in them will require software that we provide to operate properly)

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CARD